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PTO/SB/92 (08-03)

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10/734947

BB1535USNA

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PTO/SB/08A FORM (1)

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REFERENCES (15)

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

BRIAN MCGONIGLE

CASE NO.: BB1535USNA

APPLICATION NO.: 10/734947

CONFIRMATION NO.:

GROUP ART UNIT: 1638

EXAMINER: UNKNOWN

FILED: DECEMBER 11, 2003

FOR: METHOD OF DECREASING LIQUIRITIGENIN-DERIVED ISOFLAVONES  
RELATIVE TO TOTAL ISOFLAVONES IN PLANTS AND PLANTS PRODUCING  
REDUCED RATIO OF LIQUIRITIGENIN-DERIVED ISOFLAVONES RELATIVE  
TO TOTAL ISOFLAVONES

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08. A copy of the information is also enclosed.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted,

**MARIA RESTREPO-HARTWIG**  
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Registration No.: 52,163  
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Dated: July 07, 2004

Enclosures

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet	1	of	1
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**Complete if Known**

Application Number	10/734947
Filing Date	December 11, 2003
First Named Inventor	BRIAN MCGONIGLE
Group Art Unit	1638
Examiner Name	UNKNOWN
Attorney Docket Number	BB1535USNA

## U.S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Signature**

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

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Attorney Docket Number	BB1535USNA

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	CHIGEN TSUKAMOTO ET AL., Factors affecting isoflavone content in soybean seeds: changes in isoflavones, saponins, and composition of fatty acids at different temperatures during seed development, J. Agric. Food Chem., 43:1184-1192, 1995	<input type="checkbox"/>
	2	ROLAND WELLE ET AL., Induced plant responses to pathogen attack, Eur. J. Biochem., 196:423-430, 1991	<input type="checkbox"/>
	3	CHUNYANG WANG ET AL., Isoflavone Content Among Maturity Group 0 to II Soybeans, JAOCS, 77(5):483-487, 2000	<input type="checkbox"/>
	4	HUEI-JU WANG ET AL., Isoflavone Composition of American and Japanese Soybeans in Iowa: Effects of Variety, Crop Year, and Location, J. Agric. Food Chem., 42:1674-1677, 1994	<input type="checkbox"/>
	5	KAZUYOSHI OKUBO ET AL., Components Responsible for the Undesirable Taste of Soybean Seeds, Biosci. Biotech. Biochem., 56(1):99-103, 1992	<input type="checkbox"/>
	6	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 537298, ACCESSION NO: AAB41556, JAN 30, 1997, G. M. BALLANCE ET AL., Medicago sativa cDNAs encoding chalcone reductase	<input type="checkbox"/>
	7	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 20147510, ACCESSION NO: AAM12529, MAR 18, 2003, J. H. JEON ET AL., Molecular cloning of chalcone reductase gene from Pueraria lobata	<input type="checkbox"/>
	8	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 99953, ACCESSION NO: S14222, SEP 10, 1999, R. WELLE ET AL., Induced plant responses to pathogen attack	<input type="checkbox"/>
	9	RICHARD A. DIXON ET AL., Molecular of Interest - Genistein, Phytochemistry, 60:205-211, 2002	<input type="checkbox"/>
	10	AKINWUNMI OLUMIDE LATUNDE-DADA ET AL., Flavonoid 6-Hydroxylase from Soybean (Glycine max L.), a Novel Plant P-450 Monooxygenase, J. Biol. Chem., 276(3):1688-1695, 2001	<input type="checkbox"/>
	11	ROLAND WELLE ET AL., Isolation of a novel NADPH-dependent reductase which coacts with chalcone synthase in the biosynthesis of 6'-deoxychalcone, FEBS LETTERS, 236(1):221-225, 1988	<input type="checkbox"/>

Examiner  
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Sheet

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of

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	12	RICHARD A. DIXON ET AL., Stress-Induced Phenylpropanoid Metabolism, The Plant Cell, 7:1085-1097, 1995	<input type="checkbox"/>
	13	PATRICIA A. MURPHY ET AL., Isoflavones in Retail and Institutional Soy Foods, J. Agric. Food Chem., 47:2697-2704, 1999	<input type="checkbox"/>
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